

List of Plants

ESTRAGOLE

Chemid

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Dosage

LD50=1,250 (orl mus) Merck 11th Edition

LD50=1,820 (orl rat) Merck 11th Edition

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	*Reference
Agastache rugosa	Tissue Culture	--	--		Jim Duke's personal files.
Agastache rugosa	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Agastache foeniculum	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Agastache rugosa	Shoot	--	--		Jim Duke's personal files.
Agastache foeniculum	Essential Oil	820000.0	930000.0	0.88	Jim Duke's personal files.
Agastache rugosa	Essential Oil	--	895000.0	0.78	Jim Duke's personal files.
Agathosma betulina	Leaf Essent. Oil	--	--		*
Artemisia dracunculus	Shoot	100.0	8100.0	1.37	*
Artemisia dracunculus	Leaf	--	--		*
Artemisia dracunculus	Leaf Essent. Oil	--	690000.0	0.31	*
Artemisia dracunculus	Root Essent. Oil	--	--		*
Artemisia dracunculus	Essential Oil	100000.0	776300.0	0.44	*
Artemisia dracunculus	Seed Essent. Oil	--	650000.0	1.23	*
Artemisia dracunculus	Shoot Essent. Oil	750000.0	814000.0		*
Boswellia serrata	Essential Oil	--	20000.0	-1.72	*
Cinnamomum verum	Root Bark	--	--		*
Dictamnus albus	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Foeniculum vulgare	Sprout Seedling	--	--		Jim Duke's personal files.

Foeniculum vulgare	Seed	--	64000.0		*
Foeniculum vulgare	Fruit	--	64000.0		*
Foeniculum vulgare	Essential Oil	27000.0	56000.0	-1.62	Jim Duke's personal files.
Foeniculum vulgare	Seed Essent. Oil	30000.0	344000.0	-0.0	Jim Duke's personal files.
Glycyrrhiza glabra	Root	--	1.0		*
Hyssopus officinalis	Leaf	1.0	80.0	-0.88	Flavour and Fragrance Journal, 6: 69.
Hyssopus officinalis	Flower	2.0	18.0		Flavour and Fragrance Journal, 6: 69.
Hyssopus officinalis	Essential Oil	--	--		*
Illicium verum	Fruit	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Juniperus virginiana	Leaf	--	--		*
Laurus nobilis	Leaf Essent. Oil	--	--		*
Limonia acidissima	Leaf	--	6570.0	-0.23	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
Malus domestica	Essential Oil	--	--		*
Ocimum basilicum	Shoot Essent. Oil	--	--		*
Ocimum basilicum	Leaf Essent. Oil	7500.0	900000.0	1.04	*
Ocimum tenuiflorum	Plant	--	--		*
Ocimum gratissimum	Shoot	--	0.1	-0.98	Vostrowsky, O., Garbe, W., Bestmann, H.J. and Maia, J.G.S. 1990. Essential Oil of Alfavaca, Ocimum gratissimum, from Brazilian Amazon. Zeitschr. Naturforschung 45(C): 1073-6.
Ocimum basilicum	Flower Essent. Oil	--	--		*
Ocimum basilicum	Essential Oil	300.0	872100.0	0.72	*
Ocimum basilicum	Plant	35.0	9000.0	-0.7	*
Ocimum basilicum	Leaf	--	--		*
Origanum vulgare	Plant	210.0	1400.0	-0.72	*
Origanum majorana	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
Perilla frutescens	Essential Oil	--	--		Hoang Van Phiet, Hoang Thanh Huong. 1978. Chemical Composition of the Essential Oil of Perilla ocymoides L. Tap San Hoa Hoc 16(2): 24-28.
Persea americana	Bark	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Persea americana	Leaf	4750.0	29450.0	2.07	*
Petroselinum crispum	Leaf	--	1.6	-0.89	*
Pimenta racemosa	Leaf	18.0	10745.0	0.19	*
Pimpinella anisum	Essential Oil	--	815000.0	0.55	*
Pimpinella anisum	Seed	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Pimpinella anisum	Fruit	--	--		*
Pimpinella anisum	Seed Essent. Oil	--	40000.0	-1.22	*
Pinus sylvestris	Leaf Essent. Oil	--	--		*
Pinus sylvestris	Resin, Exudate, Sap	--	106670.0		*
Pinus sylvestris	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
Piper betel	Leaf	--	6130.0	-0.27	*
Tagetes lucida	Leaf	--	--		Tramil
Tagetes filifolia	Leaf Essent. Oil	--	205000.0	-1.35	Zygodlo, J. S., Guzman, C. A., Grosso, N. R. 1994. Antifungal Properties of the Leaf Oils of Tagetes Minuta L. and T. filifolia Lag. J. Essent. Oil Res. 6 6: 617-621. Cat Quim Org Fac Cien Exact Univ Nacion Cordoba Cordoba 5000 Argentina.
Tagetes filifolia	Essential Oil	350000.0	612600.0	-0.03	Abburraa, R. E., et al. 1990. Study of the Essential Oil of Tagetes filifolia (Asteraceae) as Potential Producer of Estragole and Anethole. An Asoc Quim Argent 78 3: 153-156. Fac Cience Exactas Fis Nat Univ Nac Cordoba Cordoba, Argentina.
Tagetes lucida	Shoot	--	2035.0	-0.39	Bicchi, C., Fresia, M., Rubiolo, P., Monti, D., Franz, C., Goehler, I. 1997. Constituents of Tagetes lucida Cav. ssp. lucida essential oil. Flavor & Fragrance, 12(1): 47-52.
Tagetes filifolia	Plant	3000.0	950000.0	1.41	Youngken Jr, H. W., Tashiro, J. T. 1970. Survey of Plants for Antimalarial Activity. U. S. Army Med. Res. Develop. Command Rept. (Dept. Pharmacognosy Coll. Pharm. Univ. Rhode Island Kingston RI 02881, USA.
Trifolium pratense	Root	--	--		*